

ABSTRACT

An apparatus according to the invention for the classification of physiological events on the basis of physiological signals which represent or constitute the physiological events by means of a probabilistic neural network 5 includes a probabilistic neural network 5 which is adapted to receive a set of values representing the physiological signal and which contains a number of event classes which represent physiological events and which are respectively determined by a number of comparative values, which network is adapted on the basis of the comparison of the set of values with the comparative values to implement an association of the physiological signal represented by the set of values with one of the event classes, and an updating unit 10 connected to the probabilistic neural network 5 for updating the comparative values of an event class on the basis of the set of values of at least one physiological signal which has been associated with said event class in a preceding association operation.